

Standard ESHS Specifications

The Contractor and its subcontractors shall always comply with the following specification on Environmental, Social, Health and Safety (ESHS) aspects; and the existing labour regulations in Sint Maarten.

Pre-Construction Preparedness

Prior to starting of any construction activity, the Contractor shall carry out the following actions:

- Designate a senior site supervisor as ESHS Focal Point for taking responsibility of implementing actions in the ESMP and communicating with the Engineer on ESHS matters.
- Obtain necessary permits for the disposal of debris and other solid waste including hazardous waste at the government operated landfill sites; and sourcing of water for construction purposes
- Purchase the sand and aggregates from the government approved or licensed operators. Submit the details of the operators to the Engineer for approval
- Use biocides approved by USEPA or WHO or any other relevant organization for the mold removal. Submit details of biocides to the Engineer for approval
- Co-sign PIU/Homeowner agreement which outlines roles and responsibilities including the use of their premises, construction schedule, working hours and grievance mechanism
- Explain to its employees the expectations regarding their interactions with the community and explain how the grievance procedure works and their role in the Grievance Redress Mechanism (GRM) process.
- Repair any damages to the homeowners' property (e.g. compound wall) into original conditions.

Home Owners and Community Health and Safety Management

The Contractor shall implement for the following actions for the protection of health and safety of the homeowners and surrounding communities:

- Only start work if the house is vacant
- Provide personal protective equipment such as hard hats and safety shoes to homeowners if they are visiting the construction site for supervision
- Establish a perimeter of the site to secure from unauthorized access during construction
- Sign a 'code of conduct' with all its staff before mobilizing them into the construction. The code of conduct will include the good behavioural responsibilities of the workers in dealing with the local community and following the instruction from the supervisor. Terminate the workers if they do not abide by the code of conduct

Workers Health and Safety Management

The Contractor shall implement the following actions for protection of health and safety of the construction works:

- Identify the potential hazards, with the guidance of the Engineer, at each worksite and implement necessary control measures to mitigate the risks
- Ensure all its workers have undertaken ESHS awareness training provided by the Engineer
- Provide personal protective equipment (PPE) for workers based on the work requirements. In particular provide safety harness for fall protection for workers.
- Daily inspect the structural integrity of the scaffolding or ladders used for roofing works

- Arrange safe drinking water to workers and provide adequate sanitation facilities agreed with the Engineer
- Provide adequate first aid kits equipped with necessary and adequate medicines and Have an emergency contact number in the premises readily available for workers
- Not hire any labour less than 15 years of age and not engage youth workers (ages 15 to 18) in nighttime shifts (between 7.00 p.m. and 7.00 a.m.) and perform dangerous works, such as roofing works and carry or lift loads frequently.
- Implement the recommendations of the Engineer in case of any work-related accidents to avoid recurrence of these incidents

Debris and Other Waste Management

The Contractor shall implement the following actions for the management of debris and other wastes:

- Transport all debris from the construction sites and transport them to the site approved by the Engineer regularly
- Clear all debris and unused material within three days after completion of work at each home
- Provide sufficient waste bins at the worksite for the collection of waste generated from the worksites
- Collect the hazardous waste separately, hand over to the government's hazardous waste management facility.

Drainage and Soil Erosion Management

The Contractor shall implement the following actions for the management of erosion control and drainage:

- Cover all stockpiles containing loose materials such as sand and aggregates with the plastic covers to protect them from rain
- Not allow ponding of water near the construction sites, and discard all the storage containers that are capable of storing water, after use or store them in an inverted position.
- Direct all wastewater from the construction activities to the municipal sewerage system

Noise and Vibration Management

The Contractor shall implement the following actions for the management of noise and vibrations from the construction activities, machinery and vehicles:

- Avoid undertaking the noisiest activities, where possible, when working at night near the residential areas
- Limit high noise generating activities during normal day time working hours
- Maintain all equipment and vehicles in order to keep it in good working order.
- Avoid the unnecessary use of alarms, horns and sirens.
- Organize the loading and unloading of trucks, and handling operations to minimize construction noise on the work site.

Dust and Emissions Management

The Contractor shall implement the following actions for management of dust and air emissions from the construction activities, machinery and vehicles:

- Control the dust emissions from the construction sites and access roads through water sprinkling as and when required. Increase the watering frequency during periods of high risk (e.g. high winds).
- Cover the loose materials such as to avoid their being wind-drifted.
- Restore disturbed areas as soon as practicable by compaction.
- Establish adequate locations for storage, mixing and loading of construction materials, in a way that dust dispersion is prevented because of such operations.
- Maintain all machinery and vehicles in acceptable working conditions
- Not use machinery and vehicles that causes excess pollution (e.g. visible smoke).

Traffic and Road Safety Management

The Contractor shall implement the following actions for management of traffic and road safety:

- Avoid congested areas and peak rush hours for transport of material and submit the proposed routes for material transport and timings of transport for Engineer's approval.
- Employ experienced drivers and regularly inspect vehicle safety.
- Make sure all drivers will comply with the traffic codes concerning the maximum speed limit, driving hours, etc.
- Not obstruct the local roads for the local traffic, and where needed place traffic signs.

Hazardous Material Management

The Contractor shall implement the following actions for management of hazardous material such as paints and fuels:

- Store all hazardous materials appropriately inside the houses to avoid direct exposure to rain, wind and sunlight
- Take all precautionary measures when handling and storing fuels and paints to prevent accidental spills